

Residential Streetlighting System Options:

Option No.	Option	Description	Pros	Cons	Cost
1	Relamping using the same type of lamp.	<ul style="list-style-type: none"> -Change the existing streetlight lamps with the same kind. -The lamps are 100Watt Mercury Vapor. 	<ul style="list-style-type: none"> -Least cost. 	<ul style="list-style-type: none"> -Lamps will dim after time. -Approx. 40% in five years. -Lamps are not mfg'd anymore so the supply will diminish. -Short term solution. 	<ul style="list-style-type: none"> -Contractor cost to install at approx. \$50 per street light. -\$125,000 to change all lamps one time.
2	Retro-fit to a simple LED lamp. This retro-fit uses a new lighting insert commonly called a "Corn Cob".	<ul style="list-style-type: none"> -This work includes removing the existing ballast and lamp and replacing it with a LED lamp which has the same amount of light as a new Mercury Vapor lamp. -This option looks like the same fixture as Option 1 and keeps the same lense. 	<ul style="list-style-type: none"> -LED lamps have an 8 – 10 year life while maintaining the same light output. -Simple modification to the existing fixture. -Fits in the same fixture. -Fixture will look the same. 	<ul style="list-style-type: none"> -Cost more than Relamping. 	<ul style="list-style-type: none"> -Contractor cost to install at approx. \$200 per streetlight. -\$500,000 to change out all residential streetlights.
3	Retro-fit upgrade to a LED light insert that provides concentrated light distribution.	<ul style="list-style-type: none"> -This work includes completely removing the existing lamp and ballast and replacing it with a LED "plate" light insert in the same fixture. 	<ul style="list-style-type: none"> -Good life of lamp as noted above. -Fits in the same fixture. -Removes the lense for concentrated light distribution. 	<ul style="list-style-type: none"> -Slightly more work than the previous option. -This option typically puts out more glare. 	<ul style="list-style-type: none"> -Approx. cost is \$700 per streetlight. -\$1,750,000 to change out all streetlights.
4	Replace existing fixture with a new fixture	<ul style="list-style-type: none"> -This work includes removing the existing green fixture and replace it with a similar style LED fixture. 	<ul style="list-style-type: none"> -Upgrades the residential lighting fixtures. 	<ul style="list-style-type: none"> -Most costly. 	<ul style="list-style-type: none"> -Approx. cost is \$1,500 per street light. -\$3,750,000 to change out all street lights.